NOV 2 2 2005

K053010

510(k) SUMMARY

DENTSPLY International
Susquehanna Commerce Center West
221 West Philadelphia Street, Suite 60
York, PA 17405-0872

CONTACT: Helen Lewis

DATE PREPARED: October 21, 2005

TRADE OR PROPRIETARY NAME: VISTADENT™ AT COMPLETE

CLASSIFICATION NAME: Extraoral source x-ray system, 872.1800

PREDICATE DEVICES: KODAK Orthodontic Imaging & OMS Imaging 8.0, K043104;
EagleSoft ChairSide Software Application, K982422;
Radco DentalEye 2 Dental Image Management System, K012439

DEVICE DESCRIPTION:

VISTADENT™ AT COMPLETE software is designed for use as an imaging database for storage and organization of orthodontic patient digital images and x-ray records. Features include resizing, cropping, and rotating of images; data and image sharing with practice management systems and digital x-ray systems; cephalometric analysis with auto-tracing capability; and virtual treatment objectives. VISTADENT™ AT COMPLETE can operate as a stand-alone software or interface with other systems software.

INTENDED USE:

VISTADENT™ AT COMPLETE software is a digital database for storing, retrieving and printing images that also has the ability to perform image manipulation and cephalometric analysis.

TECHNOLOGICAL CHARACTERISTICS:

The VISTADENT™ AT COMPLETE storing, organizing, imaging, scanning, loading, tracing, analyzing, and networking functions are similar to other legally marketed orthodontic image systems. We believe that use of VISTADENT™ AT COMPLETE and the predicate devices, the similarities to the predicates, and the performance data support the safety and effectiveness of VISTADENT™ AT COMPLETE for the indicated uses.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

NOV 2 2 2005

Ms. Helen Lewis
Director of Corporate Compliance
and Regulatory Affairs
DENTSPLY International
World Headquarters
Susquehanna Commerce Center
221 West Philadelphia Street
YORK PA 07405-0872

Re: K053010
Trade/Device Name: VISTADENT™ at Complete
Regulatory Number: 21 CFR 892.2050
Regulation Name: Picture archiving and communications system
Regulatory Class: II
Product Code: LLZ
Dated: October 21, 2005
Received: October 26, 2005

Dear Ms. Lewis:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to registration and listing (21 CFR Part 807); labeling (21 CFR Part 801); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

This letter will allow you to begin marketing your device as described in your Section 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at one of the following numbers, based on the regulation number at the top of this letter:

21 CFR 876.xxxx	(Gastroenterology/Renal/Urology)	240-276-0115
21 CFR 884.xxxx	(Obstetrics/Gynecology)	240-276-0115
21 CFR 892.xxxx	(Radiology)	240-276-0120
Other		240-276-0100

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). You may obtain other general information on your responsibilities under the Act from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/industry/support/index.html.

Sincerely yours,

Nancy C. Brogdon

Nancy C. Brogdon
Director, Division of Reproductive,
Abdominal, and Radiological Devices
Office of Device Evaluation
Center for Devices and Radiological Health

Enclosure

INDICATIONS FOR USE

510(K) Number (if known): K053010

Device Name: VISTADENT™ AT COMPLETE

Indications for Use:

VISTADENT™ AT COMPLETE software is a digital database for storing, retrieving and printing images that also has the ability to perform image manipulation and cephalometric analysis.

Prescription Use X AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (21 CFR 801 Subpart C)

(PLEASE DO NOT WRITE BELOW THIS LINE—CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

David A. Segura

(Division Sign-Off)
Division of Reproductive, Abdominal,
and Radiological Devices
510(k) Number K053010